

IN THE CLAIMS

Please amend claims 1-5, 8, 11, 14-27 and 31-39 as set forth below.

1. (Currently Amended) A moisture transfer ~~system~~ composite comprising a plurality of layers arranged to transfer moisture in a predetermined direction, the moisture transfer ~~system~~ composite comprising:

an inner fabric layer;

an outer fabric layer positioned relative to the inner fabric layer in the direction of moisture flow, wherein moisture flows from the inner fabric layer through any intermediate layers and then through the outer fabric layer; and

at least one foam material positioned between the inner fabric layer and the outer fabric layer,

wherein the outer fabric layer has waterproof/breathable characteristics; and

wherein the foam material is an open-cell foam that is ~~backed by~~ positioned adjacent to a nonwoven ~~top sheet~~ material.

2. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 1, wherein a wetting agent is applied to the inner fabric layer in order to increase moisture transfer.

3. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 1, wherein the outer fabric layer is made to have waterproof/breathable characteristics by attaching a waterproof/breathable membrane thereto.

4. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 1, wherein the outer fabric layer is made to have waterproof/breathable characteristics by employing encapsulation technology.

5. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 1, wherein the outer fabric layer is made to have waterproof/breathable characteristics by application of a waterproof film.

6. and 7. (Canceled)

8. (Currently Amended) The moisture transfer ~~system~~composite according to claim 1, wherein the foam material is treated with a microencapsulation technology which can adjust to temperature changes.

9. and 10. (Canceled)

11. (Currently Amended) The moisture transfer ~~system~~composite according to claim 1, wherein the foam material has reversible enhanced thermal properties.

12. and 13. (Canceled)

14. (Currently Amended) A moisture transfer ~~system~~composite comprising a plurality of layers arranged to transfer moisture in a predetermined direction, the moisture transfer ~~system~~composite comprising:

an inner fabric layer;

an outer fabric layer positioned relative to the inner fabric layer in the direction of moisture flow, wherein moisture flows from the inner fabric layer through any intermediate layers and then through the outer fabric layer;
and

at least one foam material positioned between the inner fabric layer and the outer fabric layer, wherein the foam material is an antimicrobial, germicidal, open-cell foam that is ~~backed by~~positioned adjacent to a nonwoven ~~top sheet~~material, and

wherein the outer fabric layer has waterproof/breathable characteristics.

15. (Currently Amended) The moisture transfer ~~system~~composite according to claim 14, wherein a wetting agent is applied to the inner fabric layer in order to increase moisture transfer.

16. (Currently Amended) The moisture transfer ~~system~~composite according to claim 14, wherein the outer fabric layer is made to have waterproof/breathable characteristics by attaching a waterproof/breathable membrane thereto.

17. (Currently Amended) The moisture transfer ~~system~~composite according to claim 14, wherein the outer fabric layer is made to have waterproof/breathable characteristics by employing encapsulation technology.

18. (Currently Amended) The moisture transfer ~~system~~composite according to claim 14, wherein the outer fabric layer is made to have waterproof/breathable characteristics by either the application ~~of one~~ of a waterproof film ~~and or~~ by the application of a waterproof coating.

19. (Currently Amended) A ~~liner~~ composite comprising a plurality of layers arranged to transfer moisture vapor in a predetermined direction, the ~~liner~~ composite comprising:

an inner moisture vapor transfer layer; and

~~an open-cell~~ foam material ~~positioned adjacent to and in contact with the inner moisture vapor transfer layer, the foam material being an open cell foam;~~

~~a nonwoven material positioned adjacent to and in contact with the foam material,~~

wherein said ~~liner~~ composite functions such that moisture vapor passes from the inner moisture vapor transfer layer, through the foam material and thereafter through the nonwoven material.

20. (Currently Amended) The ~~liner~~ composite according to claim 19, further comprising an outer fabric layer positioned

relative to the inner moisture vapor transfer layer in the direction of moisture flow, wherein moisture vapor flows from the inner moisture vapor transfer layer through the foam material and the nonwoven material and then through the outer fabric layer.

21. (Currently Amended) The ~~liner~~ composite according to claim 19, wherein a wetting agent is applied to the inner moisture vapor transfer layer in order to increase moisture transfer.

22. (Currently Amended) The ~~liner~~ composite according to claim 20, wherein the outer fabric layer ~~is made waterproof~~ has improved water resistance by attaching a waterproof/breathable membrane thereto.

23. (Currently Amended) The ~~liner~~ composite according to claim 20, wherein the outer fabric layer ~~is made waterproof~~ has improved water resistance by employing encapsulation technology.

24. (Currently Amended) The ~~liner~~ composite according to claim 20, wherein the outer fabric layer ~~is made waterproof~~

has improved water resistance by either the application of one
~~of a waterproof film or by the application of~~ and a waterproof
coating.

25. (Currently Amended) The ~~liner~~ composite according to claim 19, wherein the foam material is treated with a microencapsulation technology which can adjust to temperature changes.

26. (Currently Amended) The ~~liner~~ composite according to claim 19, wherein at least one of the layers of the ~~liner~~ composite has reversible enhanced thermal properties.

27. (Currently Amended) A moisture transfer composite which transfers moisture through a plurality of layers comprising:

an inner moisture transfer layer;

a foam layer ~~having a first side attached~~ positioned adjacent to the inner moisture transfer layer; and

a nonwoven material ~~attached to a second side of the~~ positioned adjacent to the foam layer ~~which opposite to said first side,~~

wherein moisture is transferred from the inner moisture transfer layer, through the foam layer and subsequently through the nonwoven material.

28. (Previously Amended) The moisture transfer composite according to claim 27, wherein at least one layer of the composite has reversible enhanced thermal properties.

29. (Previously Amended) The moisture transfer composite according to claim 28, wherein the foam layer has reversible enhanced thermal properties.

30. (Previously Added) The moisture transfer composite according to claim 27, wherein the foam layer is an open cell foam.

31. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 1, wherein the inner fabric layer includes at least ~~one of a polyester and~~ or a polyester blend.

32. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 14, wherein the inner fabric

layer includes at least one of a polyester and polyester blend.

33. (Currently Amended) The ~~liner~~ composite according to claim 19, wherein the inner moisture vapor transfer layer includes at least ~~one of a polyester and~~ or a polyester blend.

34. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 1, wherein said nonwoven ~~top sheet~~ material includes at least one material selected from a group consisting of ~~elastomeric stretch fiber~~ spandex, wood pulp, cotton, polypropylene, polyester and rayon.

35. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 11, wherein said nonwoven ~~top sheet~~ material includes at least one material selected from a group consisting of ~~elastomeric stretch fiber~~ spandex, wood pulp, cotton, polypropylene, polyester and rayon.

36. (Currently Amended) The moisture transfer ~~system~~ composite according to claim 14, wherein said nonwoven ~~top sheet~~ material includes at least one material selected from a

group consisting of ~~elastomeric stretch fiber~~ spandex, wood pulp, cotton, polypropylene, polyester and rayon.

37. (Currently Amended) The ~~liner~~ composite according to claim 19, wherein said nonwoven material includes at least one material selected from a group consisting of ~~elastomeric stretch fiber~~ spandex, wood pulp, cotton, polypropylene, polyester and rayon.

38. (Currently Amended) The moisture transfer composite according to claim 27, wherein said nonwoven top ~~sheet~~ material includes at least one material selected from a group consisting of ~~elastomeric stretch fiber~~ spandex, wood pulp, cotton, polypropylene, polyester and rayon.

39. (Currently Amended) The moisture transfer composite according to claim 29, wherein said nonwoven material includes at least one material selected from a group consisting of ~~elastomeric stretch fiber~~ spandex, wood pulp, cotton, polypropylene, polyester and rayon.

40. (Previously Amended) The moisture transfer composite according to claim 27, wherein the inner moisture transfer

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layer includes at least one of a polyester and polyester
blend.